

8/30/2009

## SUBSTITUTE SPECIFICATION

### DESCRIPTION

METHOD FOR ENCODING MOVING IMAGE AND METHOD FOR  
DECODING MOVING IMAGE

#### 5   **Technical Field**

          This invention relates to a moving image encoding method for  
encoding a moving image signal after dividing the moving image  
signal composed of luminance components and chrominance  
components into blocks, and to a moving image decoding method for  
10   decoding the encoded data.

#### **Background Art**

          In the age of multimedia which integrally handles audio, video  
and other pixel values, existing information media, specifically,  
15   newspaper, magazine, television, radio, telephone and the like  
through which information is conveyed to people, have recently  
come to be included in the scope of multimedia. Generally,  
multimedia refers to something that is represented by associating  
not only characters, but also graphics, sound, and especially images  
20   and the like, together, but in order to include the aforementioned  
existing information media in the scope of multimedia, it becomes a  
prerequisite to represent such information in a digital form.

          However, if the amount of information carried by each of the  
mentioned information media is estimated as the amount of digital  
25   information, while the amount of information for 1 character in the  
case of text is 1 to 2 bytes, the amount of information required for  
sound is 64 Kbits per second (telephone quality), and 100 Mbits or  
over per second becomes necessary for moving images (current  
television receiving quality), it is not realistic for the information  
30   media to handle such an enormous amount of information as it is in  
digital form. For example, although video phones are already in  
actual use via Integrated Services Digital Network (ISDN) which